

Detailed Description

The Foot Frame 1 is a device to dispense from a supply of sanitary covering material 2 and for positioning said sanitary covering material 2 on any floor 3 to provide a sanitary area 4 for a user to stand when footwear has been removed comprising: a frame 5 having a first, second, third, and fourth side, for placement on a floor 3 to define said sanitary area 4 and guide said sanitary covering material 2 through said frame 5 and a dispensing device 6 to supply said sanitary covering material 2 with said dispensing device 6 disposed above said frame 5, attached to said first side of said frame 5, and outside of said sanitary area 4. Optionally, the Foot Frame 1 also includes a collection device 7 to collect said sanitary covering material 2 with said collection device 7 disposed above said frame 5, attached to said third side of said frame 5 and outside said sanitary area 4.

While it will be appreciated that the Foot Frame 1 may be created in a large number of physical configurations, a rectangular configuration of the Foot Frame 1 may be created by placing a frame 5 approximately 18 inches by 24 inches on a flat surface such as a floor 3 defining the sanitary area 4 for the user. The frame 5 may have any number of sides but in the rectangular application the frame 5 would be rectangular with two opposing sides having guide slots 8 to guide the sanitary covering material 2 across the sanitary area 4. In the rectangular configuration the sanitary covering material 2 dispensing device 6 is attached to a first side perpendicular to the guide slots 8.

Optionally, in the rectangular configuration, a sanitary covering material 2 collection device 7 is attached to a second side of the frame 5 opposite the first side.

The dispensing device 6 may be a roller assembly 9 with an optional hand crank 10 to roll or unroll sanitary covering material 2 provided in a rolled up configuration. The dispensing device 6 may also be a surface area 11 for placing sanitary covering material 2, possibly in a fan-fold configuration.

The collection device 7 may be a roller assembly 9 with an optional hand crank 10 to roll or unroll sanitary covering material 2 provided in a rolled up configuration. The collection device 7 may also be a surface area 11 for placing sanitary covering material 2, possibly in a fan-fold, or other stacked configuration. It will be appreciated that the collection area may be fitted with a cutting device to facilitate removal of used segments of sanitary covering material.

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The sanitary covering material 2 may be a sanitary paper typically used in medical facilities on examining tables, however it will be readily appreciated that plastic or other materials are equally suitable. It will also be appreciated that the sanitary covering material 2 may be supplied in rolls, folded stacks, or with perforations. A material which adheres to the floor 3 surface on which the Foot Frame 1 will be used should be chosen to minimize any propensity for the user to slip and fall when mounting or dismounting the Foot Frame 1.

The sanitary covering material 2 should be advanced through the guide after each user dismounts the Foot Frame 1 to provide a sanitary area 4 for the next user. The optional collection device 7 may be provided with a powered means 12 for collecting expended sanitary covering material 2. Motion, infrared, laser, or weight sensors 13 may be employed to detect the dismount of each user and thereby cause automatic collection of the sanitary covering material 2 and preparation of a fresh sanitary area 4 for the next user.